

DEPARTMENT OF TRANSPORTATION - District 4 Toll Bridge Program

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September 07, 2007

Contract No. 04-0120F4

04-SF-80-13.2 / 13.9

Self-Anchored Suspension Bridge

Letter No. 05.03.01-000547

Michael Flowers
Project Executive
American Bridge/Fluor Enterprises, a JV
375 Burma Road
Oakland, CA 94607

Dear Michael Flowers,

Submittal 147, Rev. 1 - Box Girder Segment Fabrication Procedure

The Department has completed review of Submittal ABF-SUB-000147R01, "Box Girder Segment Fabrication Procedure," dated August 23, 2007. The submittal is returned "Approved as Noted" as indicated on the attached drawings and in the following comments:

1. The amount and type of NDT is not indicated. Provide a description in a future submittal.
2. Special Provisions section 10-1.59, "STEEL STRUCTURES," subsection, "Shop Welding," subsection "Design Details," Item G.3.e, requires the use of either the floorbeam or a rigid template for the alignment of the ribs at each floorbeam location and at the ends of each box girder segment. The Department may allow ZPMC to demonstrate another equally positive method for approval by the Engineer at the discretion of the Department's representative in Shanghai, Mr. Jason Tom. The method shall be described in the Dimensional Control Procedure.
3. By mutual agreement, in the interest of facilitating the start of fabrication of the bottom and side panels, portions of the submittal will not be approved. These sections require resolution of issues related to Submittal's ABF-SUB-000234R00 and R01, "Dimensional Control Procedure." These include the second and third panels of sheet FC100 and the assembly portion of the corner fabrication procedure. A letter responding to this submittal will be issued shortly.
4. Welds connecting temporary attachments will be complete joint penetration unless otherwise specified.
5. Fabrication of floorbeams beyond step 3.5.2 is not approved at this time. Additional details of intersecting welds shall be addressed in a future submittal.

In summary, by granting approved as noted status, ZPMC is authorized to begin fabrication of bottom and side plate panels, including rib stiffeners, and portions of floorbeams. As previously

agreed an additional submittal to satisfy the remaining requirements of the Box Girder Segment Fabrication Procedure is required and will, at a minimum, address the following:

1. Corner plate assembly fabrication
2. Overall box girder segment assembly fabrication
3. Floorbeam fabrication beyond step 3.5.2

All fabrication submittals shall be consistent with the methods described in the Dimensional Control Plan to check and achieve the required tolerances shown in the contract documents.

Deck plate and closed rib fabrication procedures will be approved after successful completion of the mock-up and are not included in this submittal.

If you have any questions please contact Gary Lai in the Working Drawing Campus.

Sincerely,

<<< ORIGINAL SIGNED >>>

GARY PURSELL
Resident Engineer

Attachment

cc: Rick Morrow, Brian Boal
file: 05.03.01, 55.0147